

Fusion Oil & Gas

Designed for Oil & Gas:

Fusion Oil & Gas solves a major problem for the Oil and Gas industry. It takes the headache out of managing the myriad of information about a platform, pipeline or refinery. It ensures that the drawings, manuals, work packs and other related information are always up to date, easily accessible and complete so that the facility or pipeline can be designed, built, operated and maintained without error.

Fusion Oil & Gas solutions are based upon the Fusion platform. Fusion provides a pre-configured, specialized ECM solution that leverages your existing ECM platform (e.g. EMC Documentum, Microsoft, SAP, and so forth).

Fusion Oil & Gas provides high value solutions already tuned to the business requirements of specific regulated industries removing the requirement for extensive consulting and customization efforts. You are able to realize business benefit in a fraction of the time compared with typical ECM deployments.

Fusion combines Document Management, Content Management, Workflow, Collaboration, Knowledge Management and Records Management into a single integrated web framework. A comprehensive web services interface supports web-based integration with popular ECM platforms, web application servers and portal environments. A range of domain-rich Oil & Gas content management applications are provided specifically to meet the requirements of typical taxonomy and business processes. This is what sets Fusion apart from more conventional approaches, a range of solutions and user interfaces that are geared around your specific business environment. Fast business benefit, rapid user adoption, reduced training – all benefits that flow from this innovative approach.

Configurable web user interfaces supply data concerning both assets and projects, such as:

FEED, EPC, handover, operation and decommissioning. Relationships between data are mapped from real life business processes ensuring personnel are always working with accurate, up-to date information.

Fusion Oil & Gas provides a suite of preconfigured data and process templates designed to comply with the requirements of specific industry environments and business processes. Information about wells, pipelines, platforms, processing facilities, personnel, regulatory compliance and business processes can be captured and categorized using the preconfigured Oil & Gas application template. The Fusion Oil & Gas solution turns the information about a facility or pipeline into an asset. It streamlines the maintenance, collation and flow of information within the organization and with external suppliers.

Fusion

Key Features:

Design is based on over 17 years experience in the Oil & Gas industry

Unique Oil & Gas data and process templates ensure fast deployment and accelerated ROI

Integrated Records Management ensures conformance with corporate record keeping policies

Automated Workflows ensure compliance with business processes and regulatory requirements

Project Document Control functions streamline communications and reduce project lead-times

Key Features:

Improved Profits

Increased Efficiency

Collaborative Working

Enhanced Safety

Quality Improvement

Knowledge Management

Designed for Oil & Gas

Key Benefits:

- **Improved Profits** - Capturing information electronically cuts costs across the plant. Reduced production downtime means more revenue generating days. Faster project implementations mean faster return on investment. Fusion Oil & Gas delivers these benefits. Fusion Oil & Gas also reduces the staff and storage costs of a manual system, while helping operations to extend capacity and conform to new environmental and safety legislation. And it's much more cost-effective to implement than other solutions.
- **Increased Efficiency** - Information can be grouped and instantly retrieved, cutting time to produce work packs by 2–3 days versus manual systems. Now information is available 24 hours a day and can be quickly, securely assembled and distributed within the organization or supply chain, anywhere in the world.
- **Collaborative Working** - Web based collaboration, project management functions and electronic transmittals all combine to make contractor and supply chain management so much easier. Electronic markup, routing, approval and modification of drawings and information create a streamlined change review process. Strict security ensures document changes are controlled, users are always aware of the state of drawings, and updates occur quickly.
- **Enhanced Safety** - Accurate, complete information reduces errors which could result in serious safety risks. Fusion Oil & Gas provides instant access to the right information at the right time, 24 hours a day, ensuring the correct information is always available in an emergency.
- **Quality Improvement** - Much faster work pack production means shorter preparations for maintenance work and less time for the information to age. That means more accurate work packs delivering reduced downtime with fewer problems. Similarly, automated workflows ensure compliance with business processes and regulatory requirements; improving productivity, reducing mistakes and providing complete audit trails.
- **Knowledge Management** - Fusion Oil & Gas ensures all necessary information is captured and safely stored, preventing vital information from being kept in employees' personal filing cabinets or in their heads. Natural staff turnover is therefore easier to manage and knowledge is no longer lost when a member of staff moves on.

Key Features:

Fusion Oil & Gas provides solutions across the entire lifecycle of an asset:

Production Operations - Management of Change, Offshore Documentation, Production Reporting

Maintenance & Inspection - Inspection Reports, Change Requests, Maintenance Documentation

Engineering & Design - Drawing Management, Work Pack Generation, Change Management

Health, Safety and Environmental - Safety Case, Regulatory Submissions
Construction, Hook-up & Commissioning - Project Document Control, Distributed Engineering, Certification Documentation, Handover Process

Fusion Oil & Gas enables all the information governing an offshore or onshore operation's configuration to be stored, managed, viewed, updated, transmitted and printed electronically resulting in substantial business benefits. It was built from a deep understanding of the information management issues faced by a wide range of Oil and Gas customers. The features of Fusion Oil & Gas directly address these issues, making it stand out from other, more general purpose ECM systems. These features and the benefits they provide include:

- Automated document scanning and image enhancement accelerates the capture of paper based information.
- Maintenance planning and work pack production is faster with automatic document collation and printing.
- The management and distribution of information to sub-contractors is simplified with secure web based collaboration and our unique electronic transmittal system.
- Electronic change processes ensure the historic and current configuration of the operation is always accurately represented.
- Instant access to information provides fast solutions to unexpected problems resulting in reduced downtime.
- Automated workflow processes ensure information changes are fast, compliant and accurate.
- The completeness of interrelated safety, environmental and operational information is ensured through our unique 'PathWalks' system.
- Training costs are cut as users can access information from within applications they already know.
- Records management is simplified and secured with electronic storage and data replication.
- Installations are faster with our pre-defined Oil & Gas data templates.
- All information can be captured with support for over 200 large and small document and file formats covering virtually everything used in the oil and gas industry.
- Print control features reduce uncontrolled paper copies reducing errors and maximizing compliance.
- Powerful web integration capabilities with enterprise applications.

These features were designed not just to solve a problem but to generate a fast return – saving time, saving costs and preserving your most important asset: the vast amount of information and knowledge about your operation.

The Best Solution:

Fusion Oil & Gas provides an out-of-the-box solution utilizing document management, records management, workflow and collaborative technologies for production and refining organizations, and their external suppliers and contractors. It is the leading solution for these organizations because:

- Its design is based on more than 15 years of experience in the Oil & Gas industry.
- It can be implemented in a fraction of the time and cost of other solutions.
- It provides real business benefits.
- It is a proven and reliable product, rich in functionality.
- It provides support for large format documents without expensive add-ons.
- It exploits low-cost Internet communications and browsers.
- It works in conjunction with your existing Enterprise Content Management system.
- Fusion Oil & Gas can be used throughout an operation's life cycle: - from design to construction, through its operating life to decommissioning.



Sword's stability as a company is underpinned by our size, financial strength and growth; key factors in selecting the Sword Group as your long-term business partner.

Why Sword?

The Sword Group maintains strong partnerships with major Enterprise Content Management (ECM) providers, including Microsoft (SharePoint) and IBM (FileNet). Our products significantly extend these systems as opposed to just interfacing to them.

Sword offers all the forms of deployment that a company might require. For those who wish to retain full control over the installations there is the option to take a product in-house. For those wishing to have a managed service, this can be undertaken in-house or hosted at our Data Center.

Our solutions include the subscription option of Software-as-a-Service (SaaS), enabling a project to be operational without the need to install the applications. This option provides low cost of ownership and avoids delays in procuring additional hardware. SaaS is also ideal for projects where suppliers, partners and sub-contractors need to collaborate since the SaaS solution is outside any one company's firewall, removing one of the main barriers to external collaboration.

Security is a key consideration and a strength of our SaaS solution, which is provided through secure data centers in both the UK and the US. Some of Sword's clients use a hybrid approach managing the internal project documents on their internal ECM system while using a SaaS solution to collaborate and share documents with external parties.

With over 13,000 projects in 26 countries, Sword is experienced at providing global support for international projects and organizations. Multilanguage support is available along with an extensive network of offices and technical staff to assist with implementations worldwide.

Engineering Process	Fusion Solution	Benefits
Project Document Control	Automation of clerical document control activities using Fusion Web Client	Less time to perform each document control transaction increases efficiency and reduces resource demands
Vendor Document Review	Electronic distribution of vendor document packages for review and approval	Faster turnaround of Vendor documents reduces risk of project delay and errors
Bid / RFP Package	Electronic assembly of Bid / RFP packages and electronic review and approval	Faster assembly of Bid / RFP packages requiring less clerical resources
Requests for Information	Electronic receipt / acknowledgement and routing to project members for processing	Faster turnaround of project issues reduces risk of project delay and errors
Project Correspondence	Capture of all paper and electronic project correspondence associated with project	Reduced litigation risk and improved corporate compliance
Design Review and Issue	Electronic signature, Review and Approval by project team	Faster routing and issue of design information due to electronic review and approval processes
Management of Change	Electronic routing of Change Request / Order and full Auditing of process	Faster turnaround of engineering change Full transparency and auditability of changes
Turnover to Client	Incremental assembly and turnover of project deliverables	Faster completion of project milestones. Reduced risk of project delay Improved client satisfaction

Sword customers include:

Engineering & Construction

- AMEC Paragon
- NNE
- Fluor Corporation
- Mustang Engineering
- McIntosh Group
- Zachry Engineering
- Lakes Entertainment
- Public Building Commission of Chicago
- M/A-Com
- IKEA - North America
- City of Fremont
- Luminant

Oil, Gas, Energy and Chemical

- BP
- Duke Energy
- Marathon Oil
- NRG Energy International
- Schlumberger
- PSE&G Nuclear
- Eastman Chemical
- FPL
- Entergy
- Husky Energy

Utilities

- Salt River Project
- San Diego Water
- East Bay Municipal Utility District
- Cleco
- Ameren Services
- Burns and McDonnell
- WEPCO
- Chicago Dept of Water Management
- San Bernadino Water

Others

- Dept of Veteran Affairs
- Advocate Healthcare
- Cisco System Inc
- FMC Technologies
- QWEST Communications
- BART



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